Spring 2015

GRADUATE COURSE ANNOUNCEMENT

Course title                          Numerical Analysis
Course number                        MAP 6407
Schedule, Room                       MWF 8, Lit 207
Instructor                           Maia Martcheva
                                    maia@ufl.edu
                                    http://people.clas.ufl.edu/maia
Main themes                          Numerical Methods

Syllabus:
(1) Root finding methods.
(2) Interpolation.
(3) Approximation theory.
(4) Numerical differentiation and integration.
(5) Numerical solutions of ODEs.

Prerequisites: No graduate prerequisites. MATLAB skills.

Requirements:
(1) Optional exams will be scheduled if requested.
(2) There will be homework assigned after each chapter.
(3) Students may be expected to make presentation on computer implementation of the
methods taught in class.
(4) Students are expected to attend classes.

Grading: Grades will be based on:
(1) Homeworks: Each homework will be 5 points per problem. Total will depend on
the number of problems in the homework. All problems will be graded. The lowest
homework grade will be dropped from the total. Late homeworks will not be accepted.
(2) Presentation: Presentation will only affect your grade if you are a borderline case.
(3) Attendance: Attendance will only affect your grade if you miss too many classes or
your grade is borderline.

Computation of the grades will be explained in class.